

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/653,679	09/02/2003	Ali S. Khayrallah	4015-5091	4596	
24112 COATS & BE	7590 09/13/2007 FS & BENNETT, PLLC		EXAM	INER .	
1400 Crescent	1400 Crescent Green, Suite 300			KIM, KEVIN	
Cary, NC 2751	8		ART UNIT	PAPER NUMBER	
			2611		
			MAIL DATE	DELIVERY MODE	
			09/13/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/653,679	KHAYRALLAH ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kevin Y. Kim	2611				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet v	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP	II Y IS SET TO EXPIRE 3 N	MONTH(S) OR THIRTY (30) DAVE				
WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a d will apply and will expire SIX (6) MO ute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. NBANDONED (35 U.S.C. & 133)				
Status		•				
1) Responsive to communication(s) filed on 02	September 2007.					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-93 is/are pending in the application	on.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>20-93</u> is/are allowed.						
6) Claim(s) <u>1,4,7,8,10,11,14,15</u> is/are rejected.	_					
7) Claim(s) 2,3,5,6,9,12,13 and 16-19 is/are ob	jected to.					
8) Claim(s) are subject to restriction and	or election requirement.					
Application Papers						
9) The specification is objected to by the Examin	ner.					
10)⊠ The drawing(s) filed on <u>02 September 2007</u> is		objected to by the Examiner.				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the corre		• •				
11) The oath or declaration is objected to by the	Examiner. Note the attache	ed Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreig	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a) All b) Some * c) None of:	•					
1. Certified copies of the priority docume	nts have been received.					
Certified copies of the priority docume						
Copies of the certified copies of the pr		n received in this National Stage				
application from the International Bure	• • • • • • • • • • • • • • • • • • • •					
* See the attached detailed Office action for a list	st of the certified copies no	t received.				
	•	,				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 		(s)/Mail Date Informal Patent Application				
Paper No(s)/Mail Date	6) Other:	* *				

Application/Control Number: 10/653,679 Page 2

Art Unit: 2611

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

- ² A person shall be entitled to a patent unless
 - (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1,4,7,8,10,11,14,15 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al (US 2004/0072553).

Wang et al A method of finger placement in a RAKE receiver comprising: receiving a composite signal that includes one or more signal images;

generating a multipath delay profile for the composite signal over a defined search window at a first delay resolution (note that the first stage search is performed at one chip or less described at paragraph [0008]); and

determining delay assignments for placement of one or more fingers of the RAKE receiver within the search window based on a second delay resolution (note that the second stage search at half-chip to an eighth chip described at paragraph [0008] to make a delay decision) that is independent of the first delay resolution. According to Wang et al. there is no teaching that there is dependence between the first search resolution and the second search resolution.

Allowable Subject Matter

Application/Control Number: 10/653,679

Art Unit: 2611

3. Claims 2,3,5,6,9,12,13,16-19 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

4. Claims 20-93 are allowed.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Kevin Y. Kim whose telephone number is 571-272-3039. The

examiner can normally be reached on 8AM -- 5PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

September 10, 2007

AU 2611

KEVIN KIM
PRIMARY PATENT EVANINED

Page 3

Her Hi